DISCRETE MATHEMATICS
VOLUME 127, NUMBERS 1–3, 15 MARCH 1994

CONTENTS

Preface 1

G. Abe
Unsolved problems on magic squares 3

M.O. Albertson and D.L. Boutin
Lower bounds for constant degree independent sets 15

R.E.L. Aldred, D.A. Holton and Z.K. Min
A degree characterisation of pancyclicity 23

N. Alon
Probabilistic methods in coloring and decomposition problems 31

M. Behzad and E.S. Mahmoodian
Eccentric sequences and triangle sequences of block designs 47

J.M. Bernaldez
On cyclically K-complementary graphs 57

P.J. Cameron
Two-graphs and trees 63

L.D. Carrillo
Hamiltonian-connected self-complementary graphs 75

D.P. Day, O.R. Oellermann and H.C. Swart
On the *l*-connectivity of a digraph 95

C. De Simone, M. Deza and M. Laurent
Collapsing and lifting for the cut cone 105

C.-L. Deng and C.-K. Lim
A class of clique-closed graphs 131

P. Erdös, R.J. Faudree and C.C. Rousseau
Extremal problems and generalized degrees 139

P. Erdös, R.J. Faudree, C.C. Rousseau and R.H. Schelp
A local density condition for triangles 153

J. Fabrega and M.A. Fiol
Extraconnectivity of graphs with large girth 163

I.A. Faradzev
Association schemes on the set of antiflags of a projective plane 171

H.-L. Fu and K.-C. Huang
On prime labellings 181

DISCRETE MATHEMATICS
VOLUME 127, NUMBERS 1–3, 15 MARCH 1994

CONTENTS

Preface 1

G. Abe
Unsolved problems on magic squares 3

M.O. Albertson and D.L. Boutin
Lower bounds for constant degree independent sets 15

R.E.L. Aldred, D.A. Holton and Z.K. Min
A degree characterisation of pancyclicity 23

N. Alon
Probabilistic methods in coloring and decomposition problems 31

M. Behzad and E.S. Mahmoodian
Eccentric sequences and triangle sequences of block designs 47

J.M. Bernaldez
On cyclically K-complementary graphs 57

P.J. Cameron
Two-graphs and trees 63

L.D. Carrillo
Hamiltonian-connected self-complementary graphs 75

D.P. Day, O.R. Oellermann and H.C. Swart
On the *l*-connectivity of a digraph 95

C. De Simone, M. Deza and M. Laurent
Collapsing and lifting for the cut cone 105

C.-L. Deng and C.-K. Lim
A class of clique-closed graphs 131

P. Erdös, R.J. Faudree and C.C. Rousseau
Extremal problems and generalized degrees 139

P. Erdös, R.J. Faudree, C.C. Rousseau and R.H. Schelp
A local density condition for triangles 153

J. Fabrega and M.A. Fiol
Extraconnectivity of graphs with large girth 163

I.A. Faradzev
Association schemes on the set of antiflags of a projective plane 171

H.-L. Fu and K.-C. Huang
On prime labellings 181

Z. Füredi
Intersecting designs from linear programming and graphs of diameter two 187

J.R. Griggs and D.J. Kleitmann
Independence and the Havel–Hakimi residue 209

P. Hell, X. Yu and H. Zhou
Independence ratios of graph powers 213

A.V. Ivanov
Two families of strongly regular graphs with the 4-vertex condition 221

K.M. Koh and K.L. Teo
Chromatic classes of 2-connected $(n, n+3)$-graphs with at least two triangles 243

K. Nomura
An application of intersection diagrams of high rank 259

B.L. Piazza, R.D. Ringeisen and S.K. Stueckle
Subthrackleable graphs and four cycles 265

M.D. Plummer
Extending matchings in graphs: A survey 277

A. Takahashi, S. Ueno and Y. Kajitani
Minimal acyclic forbidden minors for the family of graphs with bounded path-width 293

M. Tsuchiya
On antichain intersection numbers, total clique covers and regular graphs 305

Z. Tuza
Largest size and union of Helly families 319

Author index to volume 127 329